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Amendments to the Claims:

This listing of claims will replace the original set of claims in the application:

Listing of Claims:

- 1-22 (Canceled)
- 1 23. (Previously Presented) A lithographic tool for patterning a substrate,
- 2 comprising:
- a spatial light modulator, said spatial light modulator comprising an area
- 4 array of individually switchable elements;
- a light source configured to illuminate said spatial light modulator;
- 6 imaging optics configured to project a blurred image of said spatial light
- 7 modulator on said substrate; and
- an image movement mechanism for moving said image across the surface
- 9 of said substrate.
- 1 24. (Previously Presented) A lithographic tool as in claim 23, wherein said
- 2 spatial light modulator comprises a digital micro-mirror device.
- 1 25. (Original) A lithographic tool as in claim 23, wherein said light source is a
- 2 continuous light source.
- 1 26. (Original) A lithographic tool as in claim 23, wherein said light source is an
- 2 arc lamp.

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- 1 27. (Original) A lithographic tool as in claim 23, wherein said light source is a
- 2 laser.
- 1 28. (Original) A lithographic tool as in claim 27, wherein said laser is a
- 2 continuous laser.
- 1 29. (Original) A lithographic tool as in claim 27, wherein said laser is a quasi-
- 2 continuous laser.
- 1 30. (Original) A lithographic tool as in claim 23, wherein said imaging optics is
- 2 a telecentric projection lens system.
- 1 31. (Original) A lithographic tool as in claim 23, wherein said imaging optics is
- 2 configured to form a defocused image of said spatial light modulator.
- 32. (Original) A lithographic tool as in claim 23, wherein said imaging optics
- 2 comprises a diffuser configured to blur said image of said spatial light modulator.
- 1 33. (Original) A lithographic tool as in claim 23, wherein said imaging optics
- 2 has a numerical aperture adjusted such that said image of said spatial light
- 3 modulator is blurred.
- 1 34. (Original) A lithographic tool as in claim 23, wherein said imaging optics
- 2 comprises a microlens array configured to blur said image of said spatial light
- 3 modulator.
- 1 35. (Original) A lithographic tool as in claim 23, wherein said imaging optics

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- comprises a single projection lens system. 2
 - 36. (Canceled)

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- (Original) A lithographic tool as in claim 23, wherein said image movement 37. 1
- mechanism comprises a stage on which said substrate is carried. 2
- (Original) A lithographic tool as in claim 23, wherein said image movement 38. 1
- mechanism comprises a stage on which said spatial light modulator is carried. 2
- (Original) A lithographic tool as in claim 38, wherein said imaging optics is 39. 1
- carried on said stage. 2
- (Original) A lithographic tool as in claim 23, wherein said image movement 1 40.
- mechanism comprises rotatable, spaced apart, axially parallel film drums, said 2
- substrate being wrapped around and tensioned between said drums. 3
- (Original) A lithographic tool as in claim 23, further comprising a control 41. 1
- computer configured to control switching said elements of said spatial light 2
- modulator while said image is moving across the surface of said substrate. 3
- (Original) A lithographic tool as in claim 23, further comprising a substrate 42. 1
- height measuring system. 2
- (Currently Amended) A lithographic tool for patterning a substrate, 43. 1
- comprising: 2
- a plurality of spatial light modulators, each of said plurality of spatial light 3
- modulators comprising an area array of individually switchable elements; 4

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- a light source configured to illuminate said plurality of spatial light
- 6 modulators;
- a multiplicity of projection lens systems configured to project a blurred
- 8 images of each one of said plurality of spatial light modulators on said substrate;
- 9 and
- an image movement mechanism for moving said image across the surface
- 11 of said substrate;
- 12 wherein the number of said area arrays spatial light modulators is greater
- 13 than the number of said projection lens systems.
- 1 44. (Currently Amended) A lithographic tool as in claim 43, wherein said
- 2 number of projection lens systems is a submultiple of said number of area arrays
- 3 spatial light modulators.
 - 45-62. (Previously Canceled)
- 1 63. (Currently Amended) A lithographic tool for patterning a substrate,
- 2 comprising:
- a spatial light modulator, said spatial light modulator comprising at least
- 4 ene area an array of individually switchable elements;
- a light source configured to illuminate said spatial light modulator;
- 6 imaging optics configured to project a blurred image of said spatial light
- 7 modulator on said substrate;
- a light switching mechanism positioned on a light path, said light path
- 9 going from said light source to said spatial light modulator and ending at said

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- substrate, said light switching mechanism being configured to control passage of 10
- light along said light path; and 11
- an image movement mechanism for moving said image across the surface 12
- of said substrate. 13

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- (Original) A lithographic tool as in claim 63, wherein said light switching 1 64.
- mechanism is a second spatial light modulator. 2
- (Original) A lithographic tool as in claim 63, wherein said light switching 1 65.
- mechanism is a shutter. 2
- (Original) A lithographic tool as in claim 63, wherein said light switching 66. 1
- mechanism is integrated with said light source. 2
- (Currently Amended) A lithographic tool for patterning a substrate, 1 67.
- 2 comprising:
- a first spatial light modulator, said first spatial light modulator comprising at 3
- least one an area array of individually switchable elements; 4
- a light source configured to illuminate said first spatial light modulator; 5
- imaging optics configured to project an image of said first spatial light 6
- modulator on said substrate; 7
- a second spatial light modulator positioned on a light path, said light path 8
- going from said light source to said first spatial light modulator and ending at said 9
- substrate, said second spatial light modulator being configured to control 10
- passage of light along said light path; and 11
- an image movement mechanism for moving said image across the surface 12

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13 of said substrate.

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- 1 68. (Currently Amended) A lithographic tool for patterning a substrate,
- 2 comprising:
- a plurality of spatial light modulators, each of said spatial light modulators
- 4 comprising at least two an area array[[s]] of individually switchable elements;
- a light source configured to illuminate said area-arrays plurality of spatial
- 6 <u>light modulators</u>;
- 7 imaging optics configured to project <u>blurred</u> images of <u>each one of</u> said
- 8 area arrays plurality of spatial light modulators on said substrate, at least two of
- 9 said images of said area arrays spatial light modulators overlapping in register;
- 10 and
- an image movement mechanism for moving said images across the
- 12 surface of said substrate.
 - 69-79. (Canceled)
 - 1 80. (Previously Presented) A lithographic tool as in claim 23, wherein said
 - 2 spatial light modulator is a diffractive device.
 - 1 81. (Previously Presented) A lithographic tool as in claim 23, wherein said
 - 2 spatial light modulator is a liquid crystal device.
 - 1 82. (Previously Presented) A lithographic tool for patterning a substrate,
 - 2 comprising:
 - a plurality of spatial light modulators, each of said plurality of spatial light

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- modulators comprising an area array of individually switchable elements; 4
- a light source configured to illuminate said plurality of spatial light 5
- modulators; 6
- imaging optics configured to project a blurred image of said plurality of 7
- spatial light modulators on said substrate; and 8
- an image movement mechanism for moving said image across the surface 9
- of said substrate. 10
 - (Previously Presented) A lithographic tool as in claim 82, wherein said 83. 1
 - plurality of spatial light modulators are arranged in at least one row, said at least 2
 - one row being perpendicular to the direction of movement of said image across 3
 - the surface of said substrate. 4
 - (Previously Presented) A lithographic tool as in claim 83, wherein said 84. 1
 - spatial light modulators are equally spaced within said row. 2
 - (Previously Presented) A lithographic tool as in claim 82, wherein said 1 85.
 - individually switchable elements are configured in rows and the direction of 2
 - movement of said image across the surface of said substrate is perpendicular to 3
 - said rows of elements. 4
 - (Previously Presented) A lithographic tool as in claim 82, wherein said 1 86.
 - plurality of spatial light modulators are arranged in multiple rows, said rows being 2
 - perpendicular to the direction of movement of said image across the surface of 3
 - said substrate. 4

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- 1 87. (Previously Presented) A lithographic tool as in claim 86, wherein said
- 2 spatial light modulators are equally spaced within said rows.
- 1 88. (Previously Presented) A lithographic tool as in claim 87, wherein the
- 2 positions of said spatial light modulators are staggered from one row to the next.
- I 89. (Previously Presented) A lithographic tool as in claim 88, wherein said
- 2 spatial light modulators are configured such that each spatial light modulator
- 3 exposes a non-overlapping swath of said substrate.
- 1 90. (Previously Presented) A lithographic tool as in claim 82, wherein said
- 2 plurality of spatial light modulators are configured in a two-dimensional array.
- 1 91. (Previously Presented) A lithographic tool as in claim 82, wherein said
- 2 plurality of spatial light modulators are configured to make most efficient use of
- 3 said imaging optics.
- 1 92. (Previously Presented) A lithographic tool as in claim 91, wherein said
- 2 plurality of spatial light modulators are arranged within a roughly circular area.
- 1 93. (Previously Presented) A lithographic tool as in claim 82, wherein said
- 2 light source comprises a lens array configured to maximize the light intensity on
- 3 each spatial light modulator in said plurality of spatial light modulators.
- 1 94. (Previously Presented) A lithographic tool as in claim 82, wherein said
- 2 imaging optics comprises one projection lens system for each of said spatial light

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- 3 modulators.
- 1 95. (Previously Presented) A lithographic tool as in claim 94, wherein said
- 2 projection lens systems are telecentric projection lens systems.

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